

RISK is an acronym...

Research: Study and understand the everchanging risk environment; it all starts here.

Investigations: Uncover the who, what, when, how, and why behind security incidents.

Solutions: Leverage lessons from "R" and "I" for innovation and product improvement.

Knowledge: Distribute valuable research to Verizon and the security community.

...but also a philosophy

To properly manage risk, we must measure it. To properly measure risk, we must understand our information assets, the threats that can harm them, the impact of such events, and the controls that offer protection.

This is the purpose of intelligence - to measure each landscape to improve risk management capability



RISK Intelligence mission and scope of operations

"Our primary objective is to improve information security operations and decisionmaking through actionable intelligence and credible research."

Tactical Inte

Goal: Improve network threat **detection** and incident response capabilities

- Track indicators of compromise
- Collect, enrich, distribute
- Track threat actor groups
- Region, motive, TTPs, victims, etc.
 Track criminal & espionage campaigns
- Support integration of intelligence into Verizon products

"Detections"

Strategic Intel

Goal: Improve infosec management by supporting informed **decision** making

- Collect data relevant to infosec
- management and decision making
 Conduct analysis to decrease
- uncertainty & increase manageability
- Publish credible research addressing key challenges to the infosec industry
- Foster information sharing & research within the infosec community

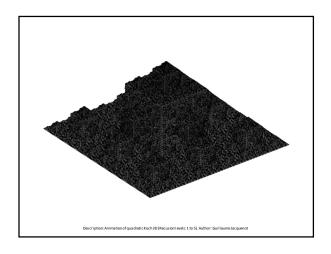
"Decisions"

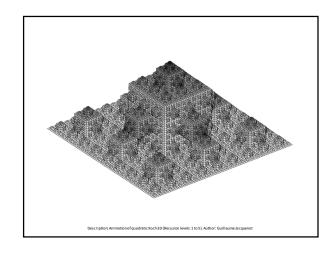
Setting the Stage: Patterns

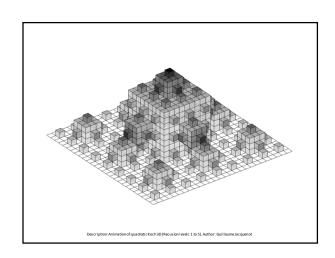


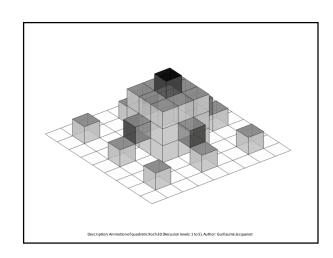
"Nature uses a few simple, self-similar, and repeating patterns-- fractals --to build energy and atoms into the familiar forms of everything from roots, rivers, and trees, to rocks, mountains, and us."

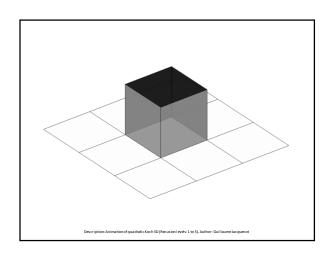
- Gregg Braden, Fractal Time, The Secret of 2012 and a New World Age

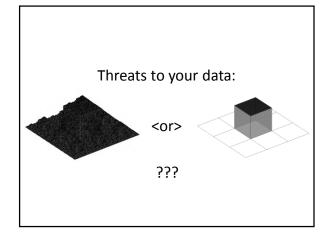




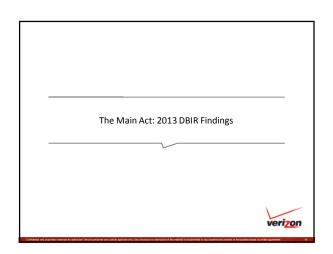


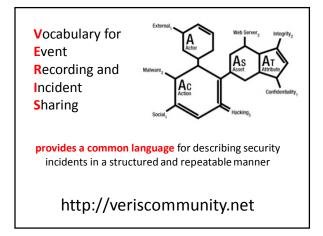


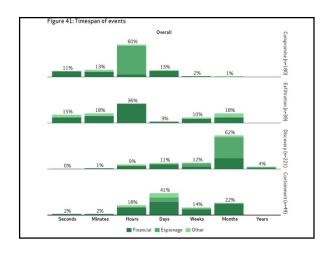


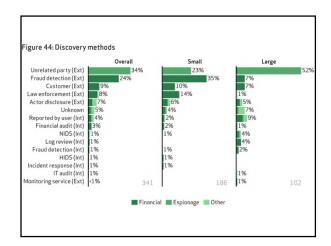


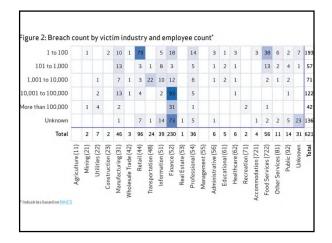


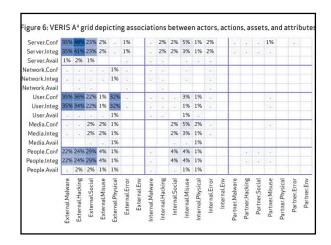


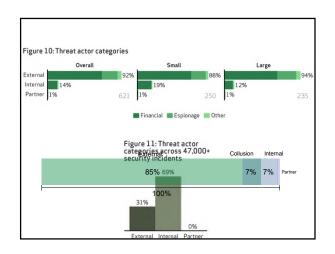


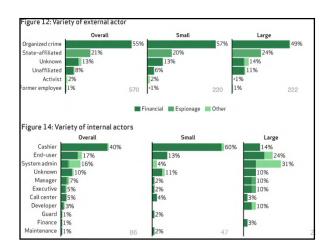


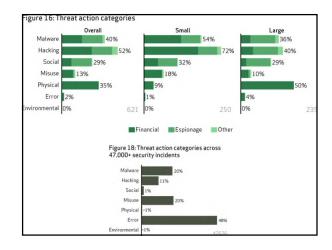




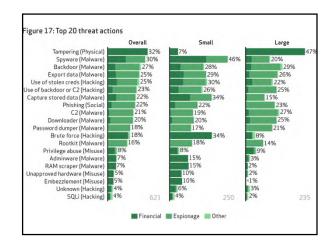


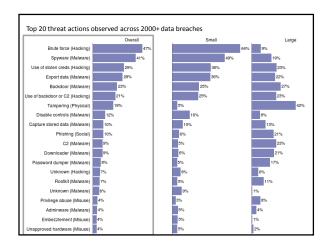


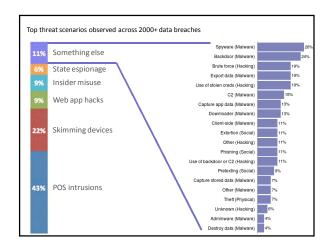


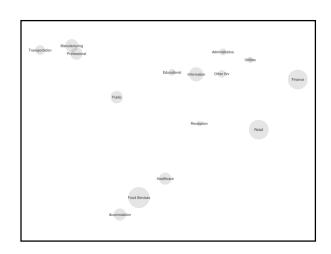


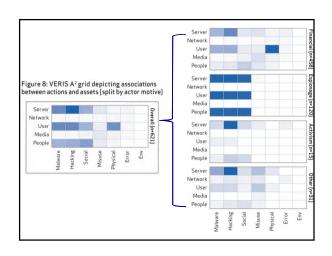
Adware, Backdoor, Brute force, Capture app data, Capture stored data, Client-side, C2, Destroy data , Disable controls , DoS , Downloader , Exploit vuln , Export data , Packet sniffer Password dumper, Ram scraper, Ransomware, Rootkit, Scannetwork, Spam, Spyware, SQL injection , Utility , Worm , Abuse of functionality , Brute force , Buffer overflow , Cache poisoning , Credential/session prediction , Cross-site request forgery , Cross-site scripting , Cryptanalysis , Denial of service , Footprinting and fingerprinting , Forced browsing , Format string attack , Fuzz testing , HTTP request smuggling , HTTP request splitting , HTTP response smuggling , HTTP Response Splitting , Integer overflows , LDAP injection , Mail command injection , Man-in-the-middle attack , Null byte injection , Offline cracking , OS commanding , Path traversal , Remote file inclusion ring , Routing detour , Session fixation jection , SQL injection , SSL injection , , Session replay , Soap array abuse , ! URL redirector abuse , Use of backdo stolen creds , XML attribute blowup , XML entity expansion, XML extern injection, XPath injection, XQuery injection , Baiting , Bribery , Elicitati orgery , Influence , Scam , Phishing Pretexting , Propaganda , Spam , Knowledge abuse mishandling , Email misuse , Net misuse , Illicit rivilege abuse , Embezzlement , Data ontent , Unapproved workaround , Unapproved hardware, Unapproved software, Assault, Sabotage, Snooping, Surveillance Tampering , Theft , Wiretapping , Classification error , Data entry error , Disposal error , Gaffe , Loss , Maintenance error , Misconfiguration , Misdelivery , Misinformation , Omission , Physical accidents , Capacity shortage , Programming error , Publishing error , Malfunction , Deterioration, Earthquake, EMI, ESD, Temperature, Fire, Flood, Hazmat, Humidity, Hurricane , Ice , Landslide , Lightning , Meteorite , Particulates , Pathogen , Power failure , Tornado, Tsunami, Vermin, Volcano, Leak, Wind

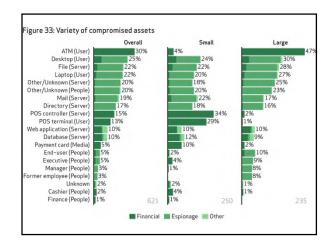




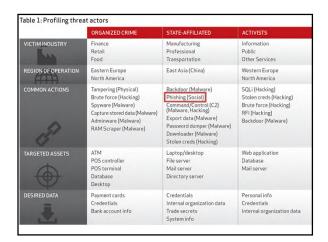


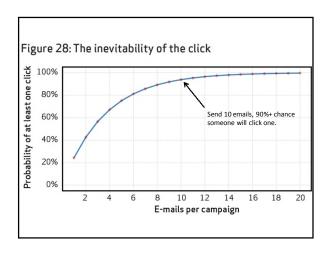


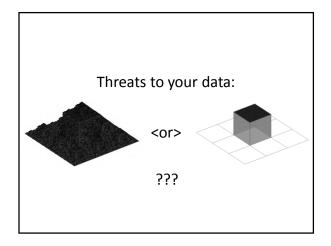


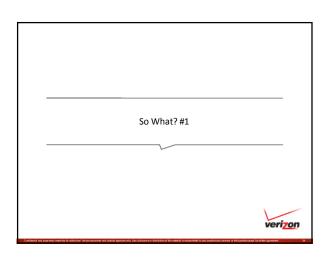


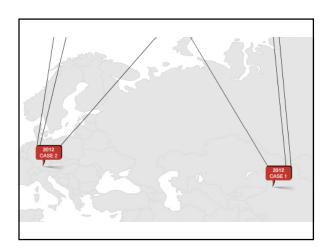
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Activism	2		3	8	1			2	4			
Other	1	1	14	6			1	2	10			8
	Payment	Bank	Credentials	Personal	Medical	Classified	Copyrighted	System	Internal	Secrets	Other	Unknown

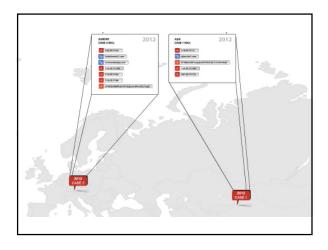


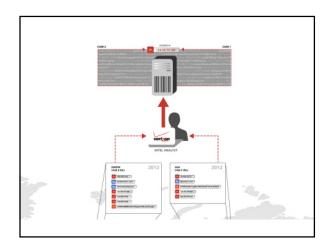


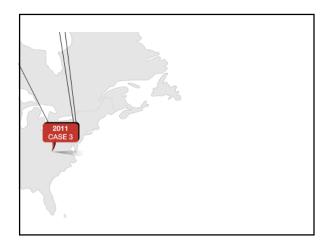


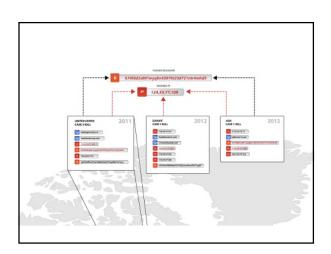


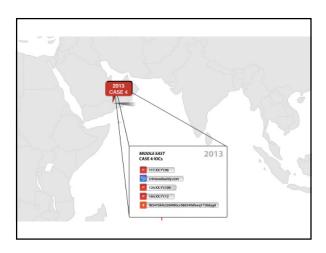


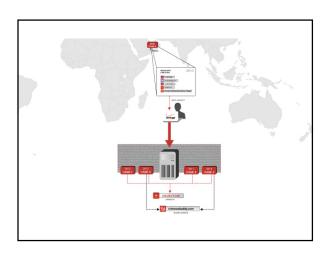




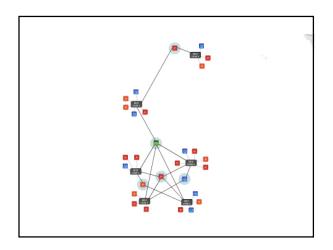


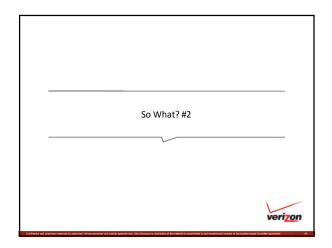


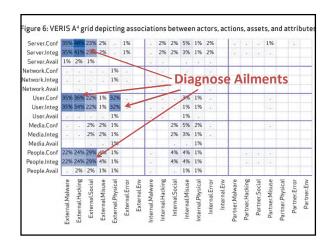


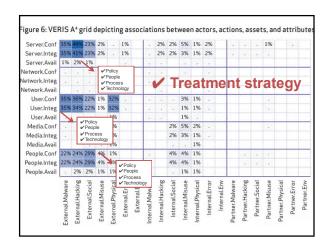




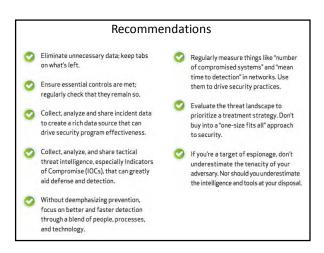








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